BOSSCOM DAB/FM Tuner

Compatible with B&O Remote Controls

User Manual

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Everyday control with Beo4, Beo5, Beo6

GO GO	Select
▲	Up
▼	Down
STOP	Manual power on/ off
◀◀	DAB / FM
▶▶	Menu
0 – 9	Select a pre-set station

Everyday control with Beolink 1000

PLAY PLAY	Select
▲	Up
▼	Down
STOP	Manual power on/ off
«	DAB / FM
»	Menu
0 – 9	Select a pre-set station

Special commands, used only by initial installation

GO ▲	Volume up
GO ▼	Volume down
GO EXIT	Station scanning
GO 1	Set as preset 1 *1
GO 2	Set as preset 2 *1
GO 3	Set as preset 3 *1
GO 4	Set as preset 4 *1
GO 5	Set as preset 5 *1
GO 6	Set as preset 6 *1
GO 7	Set as preset 7 *1
GO 8	Set as preset 8 *1
GO 9	Set as preset 9 *1
GO 0	Set as preset 10*1

Special commands, used by initial installation

PLAY ▲	Volume up
PLAY ▼	Volume down
PLAY STORE	Station scanning
PLAY 1	Set as preset 1 *1
PLAY 2	Set as preset 2 *1
PLAY 3	Set as preset 3 *1
PLAY 4	Set as preset 4 *1
PLAY 5	Set as preset 5 *1
PLAY 6	Set as preset 6 *1
PLAY 7	Set as preset 7 *1
PLAY 8	Set as preset 8 *1
PLAY 9	Set as preset 9 *1
PLAY 0	Set as preset 10*1

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Not all Bang & Olufsen equipment responds to numeric commands. Using the Direct Mode option is recommended.

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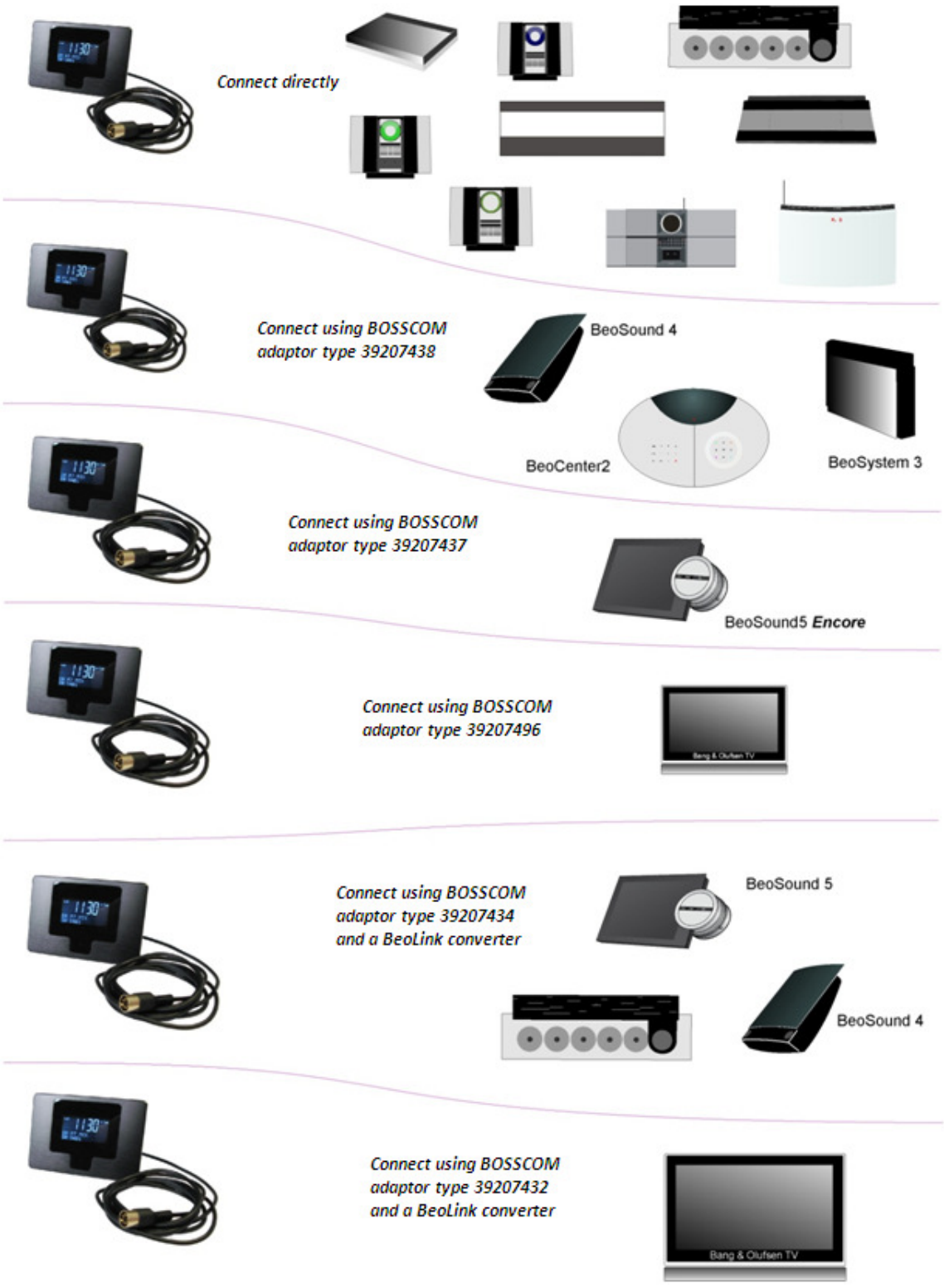
BOSSCOM DAB/FM is equipped with a 7 pin DIN Data Link cable for connection to Bang & Olufsen equipment. Thus an adaptor cable is required for connection to equipment not having a DIN input socket. See below examples and the **Option Programming** section page 8.


Connect directly
Connect using BOSSCOM adaptor type 39207438
BeoSound 4
BeoCenter2
BeoSystem 3
Connect using BOSSCOM adaptor type 39207437
BeoSound5 Encore
Connect using BOSSCOM adaptor type 39207496
Connect using BOSSCOM adaptor type 39207434 and a BeoLink converter
BeoSound 5
BeoSound 4
Connect using BOSSCOM adaptor type 39207432 and a BeoLink converter
Bang & Olufsen TV

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Getting Started

This BOSSCOM DAB/FM tuner has been designed for operation in a Bang & Olufsen remote control system allowing full control with a Bang & Olufsen remote control terminal either directly or via connection to Bang & Olufsen equipment.

Thus the tuner is Beolink compatible.

Direct Mode or CableLink Mode

The BOSSCOM DAB/FM tuner is connected to Bang & Olufsen equipment via the 7-pin DIN cable with or without adaptor, and through option programming it may be controlled as follows:

1. **Via the tuner's built in IR-receiver, "Direct Mode"**
   Direct Mode is used when connection to an input with control data is not possible.

2. **Via the cable connected Bang & Olufsen equipment, "CableLink Mode"**
   CableLink Mode is used only when connection to an input with control data is possible.

See page 8 for **Option Programming.**

Factory Settings

The factory setting is for "Direct Mode" and manual power control.

The factory setting for input socket and selected source is:

Remote control	Source
Beo4, Beo5 or Beo6	N.MUSIC, A.MEM2 or TAPE2
Beolink 1000	SHIFT A.TAPE

If the DAB/FM tuner is connected to a *different* input, the option should be programmed accordingly.
See page 8 for **Option Programming**

Installation

1) Connect power supply.
2) Connect external antenna if required.
3) Turn the power switch on, located on the cabinet.
4) Select option and complete option programming, if required.
5) Connect the tuner to the correct input socket on the Bang & Olufsen equipment.
6) Select the corresponding source on the remote control terminal.
7) Turn on the tuner manually, if it is not in the automatic power up mode.
8) Select and program your favorite stations.

Connection to Bang & Olufsen Equipment

This BOSSCOM DAB/FM tuner may be connected to **any** Bang & Olufsen BeoSound, BeoCenter, BeoMaster, BeoSystem or BeoVision TV and controlled with a Bang & Olufsen remote control terminal, but it may also be connected to equipment of any other brand and still be controlled with the Bang & Olufsen remote control terminal.

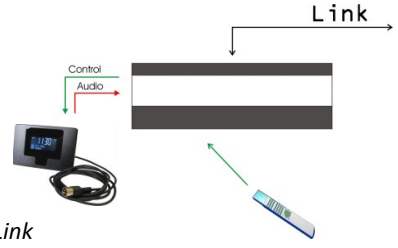
Through the years Bang & Olufsen equipment has had input sockets added, removed and renamed. A newer Bang & Olufsen remote control has the button N.MUSIC, which is identical to SHIFT A.TAPE or A.TAPE2 on older remotes.

Below tables are showing available input sockets and their designation on various Bang & Olufsen equipment. The tables below also show the source that has to be selected to open a given input.

Thus with identified Bang & Olufsen equipment and the selected input socket the required option for the tuner to be operable may be determined. Some input sockets allow for the CableLink option to be selected, whereas most of the newer audio equipment requires the Direct Mode option to be used.

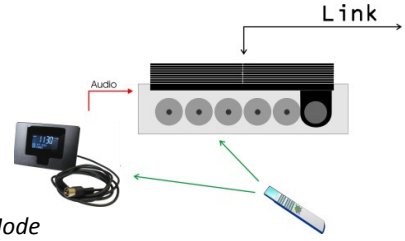
The Direct Mode Option:
The tuner is controlled directly with the Bang & Olufsen remote control terminal.
Control from a linkroom is not possible, although the tuner may be listened to there.

The CableLink Option:
The tuner is controlled with the Bang & Olufsen remote control terminal through the connected Bang & Olufsen equipment sending control data via the connection cable. The tuner may be controlled from any linkroom too.



CableLink

*The CableLink option allows for the tuner to be listened to **and** controlled from any linkroom.*



Direct Mode

*The Direct Mode option allows for the tuner to be listened to but **not** controlled from any linkroom. The Direct Mode option works in any Bang & Olufsen set up, but the tuner's IR receiver is not plasma safe.*

Antenna Connection

BOSSCOM DAB/FM tuner may be connected to any antenna designed for FM and the DAB reception, if the supplied one is not sufficient.

- If the FM signal strength is not sufficient the reception will be noisy.
- If the DAB signal strength is not sufficient the reception is varying from disturbing ”bubbles” to complete quietness.
- If no signal is received the display indicates N/A.

Automatic Power Up and Down

As default factory setting the tuner is manually powered up and down with the STOP button. As the display is automatically dimmed 10 seconds after any operation, powering the tuner down is not a strict requirement.

If automatic powering up and down with the source selection is desired, programming a specific option allows for that.

Option Code	Function
Option 990	The tuner can only be powered up and down, using the STOP button.
Option 991	The tuner automatically powers up and down.

Important Info about the Automatic Power Mode

When the automatic power option has been set, the tuner turns on and off automatically with the source selection. But if the tuner’s clock has not been set, automatic power up and down is NOT possible.

The clock is automatically set 10-30 seconds after power has been applied to the tuner, provided a DAB station has been received. Thus the automatic power option cannot be used if the tuner is switched off the mains regularly.

Menu

Pressing ▶▶ enters the tuner’s main Menu.

Use the ▲ ▼ buttons to select one of the sub menus:

- Manual scan
- Contrast
- System reset
- Software version

Option Programming

Option programming is required only when installing the tuner. The programming is performed with a Bang & Olufsen remote control terminal by initiating a 5 button sequence within 8 seconds after powering up the tuner.

When powering up the tuner the red control LED flashes for 8 seconds, and the programming has to be carried out before the control LED stops flashing**.** When entering a button the timeout is prolonged with another 8 seconds.

If not successful the operation may be repeated. Programming starts by pressing LIGHT and ends by pressing ● All options have 3 digits to be entered in between.

Option 106 is entered like this:

LIGHT *1 1 0 6 ●

Control LED Indications
Red/green flash By initial power up the LED starts flashing red/green, indicating that the tuner is in Option Programming Mode, i.e. an option may be entered. The Option Programming Mode is terminated after 30 seconds or prior hereto if any command except for 0 - 9, ● or LIGHT is received.
Red The tuner is powered down.
Green The tuner is powered up or the tuner is searching for a signal to set the clock.
Intermittently turned off The LED turns off very briefly as a command handshake indicator.

1.

If using a Beolink1000 remote control, LIGHT must be replaced with SHIFT-LINK.

Source & Option Selection

The following tables show the available input sockets on various Bang & Olufsen audio and video products, how to select them using a remote control terminal and what the corresponding option program of the BOSSCOM DAB/FM tuner should be.

The BOSSCOM DAB/ FM tuner has to be programmed with the right option to operate correctly:

	Input Socket	Source Selected	Direct Option	CableLink Option	Remarks
BeoSound 5	MasterLink	VTAPE VMEM	-	410	If the MasterLink socket is not used, the DAB/FM tuner might be connected and operated via a BeoLink Converter. See page 16 for details on connection of the BeoLink Converter 1611.
		DTV SAT	-	416	
		VAUX	-	412	

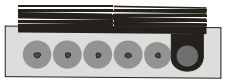
	Input Socket	Source Selected	Direct Option	CableLink Option	Remarks
BeoSound 5 Encore	LINE-IN	AAUX SHIFT RADIO	100	-	The Encore input is a mini jack socket. Use BOSSCOM adaptor cable, type 39207437.

	Input Socket	Source Selected	Direct Option	CableLink Option	Remarks
BeoCenter 2	AUX-IN	AAUX SHIFT RADIO	100	-	The input is RCA phono sockets. Use BOSSCOM adaptor cable, type 39207438.

BeoSound 4 	AUX	AAUX SHIFT RADIO	100	-	The input is RCA phono sockets. Use BOSSCOM adaptor cable, type 39207438.
	MasterLink	VMEM VTAPE	-	410	If the MasterLink socket is not used, the DAB/FM tuner might be connected and operated via a BeoLink Converter. See page 16 for details on connection of the BeoLink Converter 1611.
		DTV SAT	-	416	
		VAUX	-	412	

	Input Socket	**Source Selected**	**Direct Option**	**CableLink Option**	**Remarks**
BeoSound 1 	AUX	AAUX SHIFT RADIO	100	-	
	AUX	AMEM ATAPE	102	-	

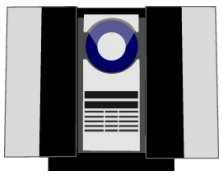
	Input Socket	Source Selected	Direct Option	CableLink Option	Remarks
BeoSound Century	AUX	NMUSIC AMEM2 SHIFT ATAPE	103	-	
	AUX	NRADIO PHONO	106	-	
	AUX	AAUX SHIFT RADIO	100	-	

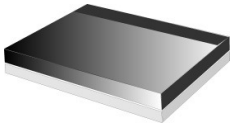
	Input Socket	Source Selected	Direct Option	CableLink Option	Remarks
BeoSound 9000 	AUX	AAUX SHIFT RADIO	100	-	
	AUX	AMEM ATAPE	102	-	

	Input Socket	Source Selected	Direct Option	CableLink Option	Remarks
BeoSound 3000 **BeoSound 3200**	AUX	AAUX SHIFT RADIO	100	-	
	AUX	AMEM ATAPE	102	-	
	AUX	NMUSIC AMEM2 SHIFT ATAPE	103	-	
	AUX	NRADIO PHONO	106	-	

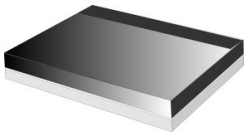
BeoSound Ouverture	AUX	NMUSIC AMEM2 SHIFT ATAPE	103	302	In the CableLink mode numeric commands are not accepted.
	AUX	NRADIO PHONO	106	206	In the CableLink mode numeric commands are not accepted.
	AUX	AAUX SHIFT RADIO	100	-	In the CableLink mode numeric commands are not accepted.
	MasterLink	VMEM VTAPE	-	410	If the MasterLink socket is not used, the DAB/FM tuner might be connected and operated via a BeoLink Converter. See page 16 for details on connection of the BeoLink Converter 1611.
		DTV SAT	-	416	
		VAUX	-	412	

	Input Socket	**Source Selected**	**Direct Option**	**CableLink Option**	**Remarks**
BeoSystem 2500 **BeoCenter 2500**	AUX	AAUX SHIFT RADIO	100	-	In the CableLink mode numeric commands are not accepted.
	AUX	NMUSIC AMEM2 SHIFT ATAPE	103	302	In the CableLink mode numeric commands are not accepted.
	AUX	NRADIO PHONO	106	206	In the CableLink mode numeric commands are not accepted.

	Input Socket	Source Selected	Direct Option	CableLink Option	Remarks
BeoCenter 2300 	AUX	AAUX SHIFT RADIO	100	300	In the CableLink mode numeric commands are not accepted.
	AUX	AMEM ATAPE	102	302	In the CableLink mode numeric commands are not accepted.
	AUX	NMUSIC AMEM2 SHIFT ATAPE	103	303	In the CableLink mode numeric commands are not accepted.
	AUX	NRADIO PHONO	106	306	In the CableLink mode numeric commands are not accepted.

	Input Socket	Source Selected	Direct Option	CableLink Option	Remarks
BeoMaster 3300 **BeoMaster 5500** 	TP	AMEM ATAPE	102	302	In the CableLink mode numeric commands are not accepted.
	CD	CD	104	204	In the CableLink mode numeric commands are not accepted.

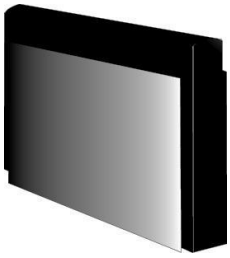
	Input Socket	Source Selected	Direct Option	CableLink Option	Remarks
BeoMaster 3500 **BeoMaster 4500**	TP1	AMEM ATAPE	102	302	In the CableLink mode numeric commands are not accepted.
	CD	CD	104	204	In the CableLink mode numeric commands are not accepted.
	TP2	NMUSIC AMEM2 SHIFT ATAPE	103	302	In the CableLink mode numeric commands are not accepted.
	PHONO	NRADIO PHONO	106	206	In the CableLink mode numeric commands are not accepted.

	Input Socket	Source Selected	Direct Option	CableLink Option	Remarks
BeoMaster 6500 **BeoMaster 7000** 	TP1	AMEM ATAPE	102	302	
	CD	CD	104	204	
	TP2	NMUSIC AMEM2 SHIFT ATAPE	103	302	
	PHONO	NRADIO PHONO	106	206	

	Input Socket	Source Selected	Direct Option	CableLink Option	Remarks
BeoCenter 8000 	TAPE2	NMUSIC AMEM2 SHIFT ATAPE	103	302	In the CableLink mode numeric commands are not accepted.

	Input Socket	Source Selected	Direct Option	CableLink Option	Remarks
BeoCenter 8500 **BeoCenter 9000** **BeoCenter 9500** 	TAPE2	NMUSIC AMEM2 SHIFT ATAPE	103	302	In the CableLink mode numeric commands are not accepted.
	AUX	AAUX	100	-	

	Input Socket	Source Selected	Direct Option	CableLink Option	Remarks
BeoCenter 9300 	PHONO	NRADIO PHONO	106	206	In the CableLink mode numeric commands are not accepted.
	TAPE2	NMUSIC AMEM2 SHIFT ATAPE	103	302	In the CableLink mode numeric commands are not accepted.
	AUX	AAUX	100	-	

	Input Socket	Source Selected	Direct Option	CableLink Option	Remarks
BeoSystem 3 	AV1 AV2 AV3	VMEM DVD VAUX	-	410 414 412	The input is a scart socket, 21 pin AV socket. Use BOSSCOM adaptor cable, type 39207496.
	AV4 AV5 AV6	VMEM DVD VAUX	-	410 414 412	The input is RCA phono sockets. Use BOSSCOM adaptor cable, type 39207438.
	MasterLink	RADIO etc.	-		If the MasterLink socket is not used, the DAB/FM tuner might be connected and operated via a BeoLink Converter. See page 16 for details on connection of the BeoLink Converter 1611.

Connection via BeoLink Converter 1611/1612

BOSSCOM DAB/FM tuner may be connected to a Bang & Olufsen stand-alone audio or video master, TV, via a BeoLink Converter using MasterLink and the AAL inputs.
Connected to an audio master and programmed as an ”video source” the DAB/FM tuner may be selected as that, VMEM as an example. Connected to a video master and programmed as an “audio source” the DAB/FM may be selected as that, ATAPE as an example. Notice that Bang & Olufsen equipment has to be programmed in option 2. See the relevant Bang & Olufsen user guide.

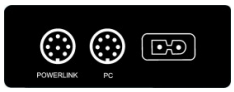
	Input Socket	**Source Selected**	**Direct Option**	**CableLink Option**	**Remarks**
BeoLink Converter 1611 or 1612 used with a Bang & Olufsen audio master and BOSSCOM DAB/FM tuner.	AAL	VMEM VTAPE	-	410	BOSSCOM DAB/FM connects to the BeoLink Converter with BOSSCOM VSNUT adaptor cable, type 39207434.
	AAL	VAUX	-	412	
	AAL	DVD	-	414	
	AAL	DTV SAT	-	416	
	The BeoLink Converter 1611 connects to a stand-alone Bang & Olufsen audio master with a MasterLink cable. Connection of more Bang & Olufsen equipment might create control conflicts.				

	Input Socket	**Source Selected**	**Direct Option**	**CableLink Option**	**Remarks**
BeoLink Converter 1611 or 1612 used with a Bang & Olufsen TV and the DAB/FM.	AAL	AMEM ATAPE	-	402	The DAB/FM connects to the BeoLink Converter with BOSSCOM ASNUT adaptor cable, type 39207432.
	AAL	CD	-	404	
	AAL	NRADIO PHONO	-	406	
	AAL	RADIO	-	408	
	The BeoLink Converter 1611 connects to a stand-alone Bang & Olufsen TV with a MasterLink cable. Connection of more Bang & Olufsen equipment might create control conflicts.				

Connection via BeoLink Active in any Link Room

BOSSCOM DAB/FM tuner may be connected to a Bang & Olufsen BeoLink Active with a vacant 'PC' socket.

Thus active speakers in any link room allow for the installation of the DAB/FM tuner and the opportunity of having a local radio source controlled directly with the Bang & Olufsen remote control terminal.

	Input Socket	Source Selected	Direct Option	CableLink Option	Remarks
BeoLink Active 	PC	PC SHIFT STORE	118	-	The DAB/FM connects to the BeoLink Active with BOSSCOM PCSNUT adaptor cable, type 39207436.

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Connection to 21 Pin AV Socket on any Bang & Olufsen TV

	Input Socket	Source Selected	Direct Option	CableLink Option	Remarks
All B&O TV models **BeoVision 10** **BeoVision 8** **BeoVision 7** **BeoVision 6** **BeoVision 4** **BeoVision 3** **BeoVision 1** **BeoSystem 3** **Avant models** **LX models** **LE models** **LS models** **L models** **MX models** **ME models**	Scart AV1 - AV6 *NOT the DECODER input!!*	VMEM VTAPE	110	410	The input is a scart socket, 21 pin AV socket. Use BOSSCOM adaptor cable, type 39207496. Check the TV user guide for programming of the AV connections.
		VMEM2 VTAPE2 SHIFT VTAPE	110	410	
		DTV SAT	116	416	
		VAUX	112	412	
		DVD	114	414	

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